CCS Technical Documentation
NSM-9DX Series Transceivers

General Information

Issue 1 10/02

©Nokia Corporation

Table of Contents

Page No

The Product 3
Hand portable 3
Desktop Option 4
Product and Module List 5
General Specifications of Transceiver NSM-9DX 6

List of Figures

Page No

Fig 1 Hand portable 3
Fig 2 Desktop option 4

©Nokia Corporation

The Product

The NSM-9DX is a dual band hand portable mobile telephone for GSM 850/1900 networks. It is a GSM 850/1900 power class 1 (1W) transceiver. The main transceiver features are:

- High resolution B&W display (96 x 65 pixels)
- Full graphic display
- GPRS
- Integrated IR link & internal data
- Internal vibra
- Integrated FM Radio
- Plug & play HF support
- Plug-in SIM card below the battery of the phone
- Integrated antenna
- Jack style UI with two soft keys
- TTY support

Hand portable

Figure 1: Hand portable

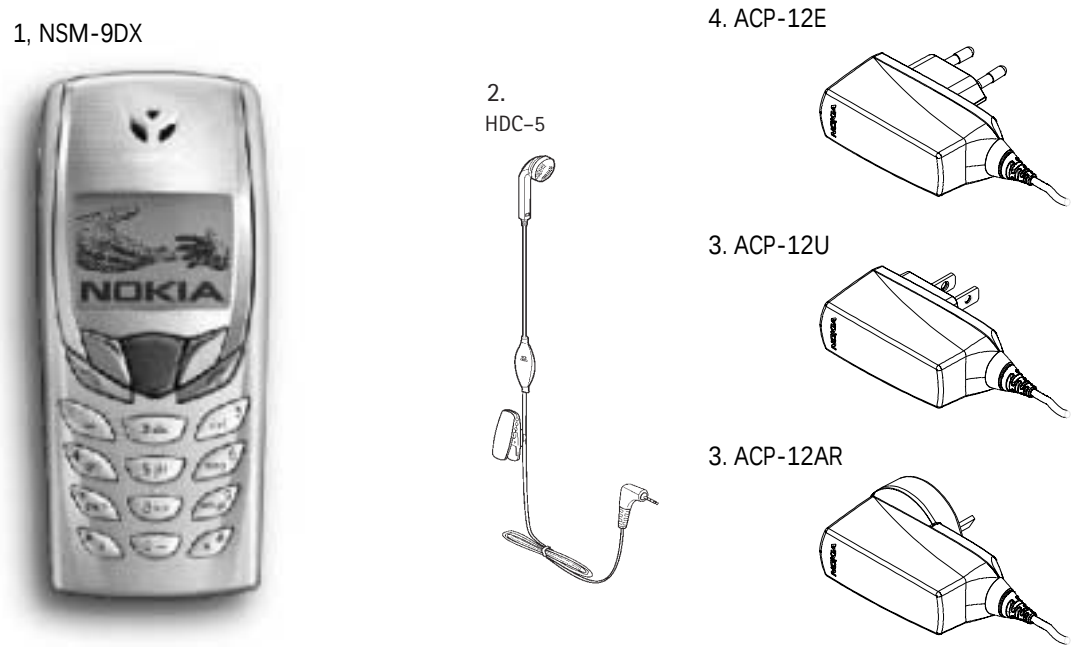


Table 1: Hand portables

Item	Name	Type code	Material code
1	Transceiver	See Product Variants	
	Standard battery Li-ion	BLB-2	0670246
2	Headset	HDC-5	0694059
3	StandardCharger (USplug) 108-132 Vac	ACP-12U	0675303
	StandardCharger (USplug) 198-242 Vac	ACP-12E	0675294
4	StandardCharger (Europlug) 207-253 Vac	ACP-12AR	0675298
5	Standard Travel Charger	ACP-7	

©Nokia Corporation

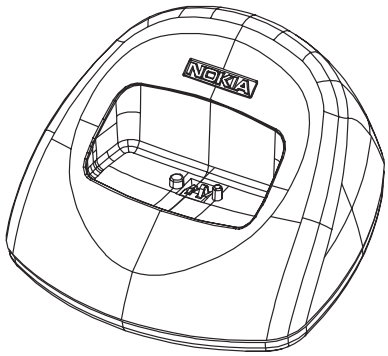
Desktop Option

The desktop option allows the user to charge the phone from the mains. Besides these optional chargers also ACP-8 can be used.

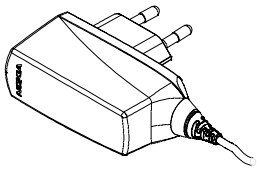
Figure 2: Desktop option

1. NSM-9DX

2. DCD-1 Desk Stand



4. ACP-12E



3. ACP-12U

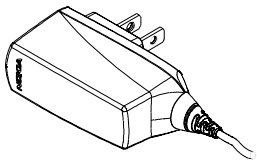


Table 2: Desktop options

Item	Name:	Type Code:	Material Code:
1.	Transceiver (See Product Variants)	See Product Variants	
2	Desk stand	DCD-1	0675253
3.	Travel Charger (Euro plug) 90-264 Vac	ACP-12E	0675294
4.	Travel Charger (US plug) 90-264 Vac	ACP-8U	0675303
	Travel Charger (AR-plug)	ACP-12AR	

©Nokia Corporation

Product and Module List

Table 3: Product and module list

Unit/type	Product code
NSM-9DX Transceiver	See Product Variants
BLB-2 Standard Battery Li-ion	0670322
ACP-7E Travel Charger (EUR) 207-253 Vac	0675144
ACP-7U Standard Charger (US) 108-132 Vac	0675143
ACP-7C Standard Charger (US) 198-242 Vac	0675158
ACP-8E Rapid Charger (EUR) 90-264 Vac	0675195
ACP-8U Travel Charger (US) 90-264 Vac	0675196
ACP-12E Travel Charger ACP-12U Travel Charger ACP-12AR Travel Charger	0675294 0675303 0675298
LCH-9 Rapid Cigarette Lighter Charger	0675120
MBD-10 Mobile Holder	0630409
DCD-1 Desktop Stand	0675253
DDC-1 Battery Charging Stand	0675261
HDC-5 Headset Kit (with answer and end button)	0694059
LPS-3 Loopset	0630244
HDB-5 Boom Headset	0694107
HDD-1 Dual Headset	0694066
HDE-2 Headset Kit	0694075
HDA-9 TTY/TTD Phone Adapter	0694116
CARK-130 Express Carkit (PPH-1, HFM-8, MBD-10, HHS-15)	0080539
CARK 132 Full Carkit (MCC-5, HHS-9, MKU-1, HFU-5, HFS-12, HFM-8, PCH-4)	0085198
PPH-1 Plug-in HF Car Kit	0675182
MKU-1 Mounting Plate	0620036
HHS-9 Swivel Mount	0620037
HFM-8 HF Microphone	0690016

©Nokia Corporation

General Specifications of Transceiver NSM-9DX

Table 4: NSM-9DX General Specifications

Parameter	GSM850/1900
Receive frequency range	869...894 MHz / 1930…1990 MHz
Transmit frequency range	824...849 MHz / 1850…1910 MHz
Duplex spacing	45 / 80 MHz
Channel spacing	200 kHz
Number of RF channels	124 / 299
Power class	4 (2 W) / 1 (1 W)
Number of power levels	15 / 16
Sensitivity, Static channel	-102 dBm
Frequency error, static channel	< 0.1 ppm
RMS Phase error	< 5.0°
Peak phase error	< 20.0 °

©Nokia Corporation